

**ANNUAL
CROP
AND
LIVESTOCK
REPORT**

**GLENN
COUNTY
1991**



**GLENN COUNTY
DEPARTMENT OF AGRICULTURE**

P. O. Box 351
720 North Colusa Street
WILLOWS, CALIFORNIA 95988

**1991 ANNUAL CROP
AND LIVESTOCK REPORT**

GLENN COUNTY BOARD OF SUPERVISORS

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Jim Mann

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Paul Turek Air Pollution Specialist
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Cover photos show the Glenn County Courthouse in Willows,
past and present — 1881 to 1991.

— Front cover photo courtesy of the Willows Library

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County of Glenn

DEPARTMENT OF AGRICULTURE

ED ROMANO, Agricultural Commissioner
Sealer of Weights and Measures

April 13, 1992

Henry Voss, Director
California Department of Food and Agriculture

-and-

The Honorable Board of Supervisors
County of Glenn

The 1991 Annual Crop and Livestock Report for Glenn County is being submitted as required by Section 2279 of the California Agriculture Code.

Agriculture continues to be the leading industry in the County with a gross value of \$189,570,000, a decrease of \$7,974,000 from last year, primarily due to drought, the freeze and bad weather during almond pollination season.

Values given in this report are gross receipts received by growers and they in no way reflect the net income to growers.

Included in this crop report is a section on sustainable agriculture. This section will highlight the work being done to eliminate or exclude new pests from entering the County. It also will highlight the organic farming and other sustainable practices being employed in the County. This section will be expanded in future years to include other practices taking place in the County.

I wish to express my appreciation for the cooperation and assistance of all individuals who contributed to this report and especially members of my staff who compiled the reports.

Respectfully submitted,


Ed Romano
Agricultural Commissioner

ER:s

Production and Value of Agricultural Products

FIELD CROPS — 1990 - 1991

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Barley	1991	2,136	.93	1,986	Ton	\$104.17	\$207,000
	1990	2,369	.40	948	"	113.50	108,000
Beans	1991	4,673	.89	4,159	"	606.41	2,522,000
	1990	6,187	.87	5,383	"	528.40	2,844,000
Corn	1991	7,274	4.20	30,551	"	110.00	3,361,000
	1990	7,085	4.00	28,340	"	107.20	3,038,000
Hay Alfalfa	1991	20,327	7.00	142,289	"	85.00	12,095,000
	1990	17,095	6.50	111,118	"	110.00	12,223,000
Hay Other	1991	1,345	2.50	3,363	"	60.00	202,000
	1990	977	2.00	1,954	"	75.00	147,000
Pasture Irrigated	1991	16,575			Acre	120.00	1,989,000
	1990	16,575			"	168.00	2,785,000
Range	1991	240,000			"	6.00	1,440,000
	1990	240,000			"	6.00	1,440,000
Rice Paddy	1991	53,335	3.90	208,007	Ton	214.20†	44,555,000
	1990	62,919	3.75	235,946	"	214.60†	50,634,000
Silage	1991	3,000	24.00	72,000	"	24.00	1,728,000
	1990	3,000	24.00	72,000	"	24.00	1,728,000
Grain Sorghum	1991	1,536	2.30	3,533	"	106.00	374,000
	1990	1,600	2.30	3,680	"	91.00	335,000
Sugar Beets	1991	11,684	26.59	310,677	"	34.44	10,700,000
	1990	9,598	24.87	238,702	"	34.47	8,228,000
Wheat	1991	26,132	2.40	62,717	"	103.00	6,460,000
	1990	33,376	2.15	71,758	"	99.33	7,128,000
Miscellaneous	1991	2,215					990,000
	1990	2,050					929,000
TOTALS	1991	390,232					\$86,623,000
	1990	402,831					91,567,000

† Target Price ASCS Office

VEGETABLE CROPS — 1990 - 1991

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
All Vegetables	1991						
	1990						

Included under Field Crops
to avoid disclosing individual operations.

Production and Value of Agricultural Products

APIARY PRODUCTS — 1990 - 1991

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Honey	1991	222,000	Lb.	\$.50	\$111,000
	1990	76,000	"	.48	36,000
Beeswax	1991	5,000	"	1.00	5,000
	1990	2,000	"	1.00	2,000
Packaged Bees	1991	70,000	"	3.67	257,000
	1990	67,000	"	3.68	247,000
Queen Bees	1991	70,000	Each	4.74	332,000
	1990	65,000	"	4.93	320,000
Pollination	1991				560,000
	1990				610,000
TOTALS	1991				\$1,265,000
	1990				1,215,000

SEED CROPS — 1990 - 1991

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Alfalfa	1991	317	551	174,531	Lb.	\$1.08	\$188,000
	1990	612	350	214,200	"	1.22	261,000
Beans	1991	2,680	1,486	3,981,310	"	.33	1,314,000
	1990	2,584	1,445	3,733,880	"	.38	1,419,000
Clover, all	1991	2,524	348	878,664	"	1.28	1,125,000
	1990	3,991	304	1,213,264	"	.97	1,177,000
Rice	1991	2,179	7,800	16,996,200	"	.11	1,870,000
	1990	2,195	7,500	16,462,500	"	.12	1,976,000
Vine Crops	1991	1,239					1,182,000
	1990	1,999					1,418,000
Wheat	1991	610	4,800	2,928,000	Lb.	.06	176,000
	1990	838	4,800	4,022,400	"	.10	402,000
Other Seed	1991	5,985					2,210,000
	1990	3,898					1,857,000
TOTALS	1991	15,534					\$8,065,000
	1990	16,117					8,510,000

Production and Value of Agricultural Products

LIVESTOCK AND POULTRY — 1990 - 1991

COMMODITY	YEAR	NUMBER OF HEAD	TOTAL LIVE WEIGHT	UNIT	PRICE PER UNIT	TOTAL VALUE
Cattle and Calves	1991	22,054	154,946	Cwt.	\$78.15	\$12,109,000
	1990	23,540	173,139*	"	74.43*	12,887,000*
Sheep and Lambs	1991	19,069	19,565	"	48.60	951,000
	1990	18,785	19,274	"	46.31	893,000
Hogs and Pigs	1991	1,995	3,700	"	47.82	177,000
	1990	1,785	3,205	"	49.97	160,000
Poultry	1991	Included under Livestock and Poultry Products				
	1990	to protect individual operations.				
TOTALS	1991					\$13,237,000
	1990					13,940,000*

* Revised

LIVESTOCK AND POULTRY PRODUCTS — 1990 - 1991

COMMODITY	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Milk, all	1991	2,455,765	Cwt.	\$10.98	\$26,965,000
	1990	2,331,330	"	11.74	27,362,000
Market	1991	1,901,404	"	11.17	21,239,000
	1990	1,752,996	"	11.96	20,966,000
Manufacturing	1991	554,361	"	10.33	5,726,000
	1990	578,334	"	11.06	6,396,000
Wool	1991	125,525	Lb.	.53	67,000
	1990	152,113	"	.77	117,000
Miscellaneous	1991				144,000
	1990				145,000
TOTALS	1991				\$27,176,000
	1990				27,624,000

NURSERY PRODUCTS — 1990 - 1991

COMMODITY	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Nursery	1991	331					\$2,693,000
Production	1990	390					5,480,000

Production and Value of Agricultural Products

FRUIT AND NUT CROPS — 1990 - 1991

COMMODITY	YEAR	BEARING ACREAGE	PRODUCTION PER ACRE	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Almonds	1991	15,121	.43	6,502	Meat	\$2,200.00	\$14,304,000
	1990	14,659	.67	9,821	Ton	1,650.00	16,205,000
Almond Hulls	1991			8,128	Ton	53.00	431,000
	1990			12,276	"	65.00	798,000
Citrus	1991	785	2.79	2,192	"	489.00	1,072,000
	1990	861	3.58	3,085	"	499.00	1,539,000*
Olives	1991	2,245	4.84	10,863	"	525.73	5,711,000
	1990	2,150	3.47	7,468	"	477.00	3,562,000
Pistachios	1991	522	.60	313	"	2,960.00	927,000
	1990		Included under Miscellaneous Fruits and Nuts				
Prunes	1991	7,379	1.68	12,397	Dry	1,042.00	12,918,000
	1990	7,229	2.30	16,623	Tons	837.00	13,913,000
Walnuts	1991	5,875	1.27	7,437	Inshell	1,125.00	8,367,000
	1990	5,681	.93	5,269	Ton	1,065.00	5,611,000
Miscellaneous Fruits & Nuts	1991	1,067					1,163,000
	1990	1,377					2,479,000
TOTALS	1991	32,994					\$44,893,000
	1990	31,957					44,107,000*

* Revised

Production and Value of Forest Products

FOREST PRODUCTS — 1990 - 1991

COMMODITY	YEAR	TOTAL PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Timber	1991	34,875,000	Board	\$.16	\$5,563,000
	1990	36,947,000	Feet	.13	4,853,000
Firewood	1991	607	Cord	65.00	39,000
	1990	3,402	"	60.00	204,000
Christmas Trees	1991	1,700	Each	10.00	17,000
	1990	3,558	"	10.00	36,000
TOTALS	1991				\$5,619,000
	1990				5,093,000

Production and Value of Agricultural Products

GLENN COUNTY SUSTAINABLE AGRICULTURE — 1990 - 1991

PEST EXCLUSION

TERMINAL INSPECTIONS	NUMBER OF INSPECTIONS	REJECTIONS	PEST
Postal	34	0	
United Parcel Service	0	0	
Truck	27	0	
Other	2	0	
ORIGIN CERTIFICATION	NUMBER OF INSPECTIONS		
Field Inspections	189		
Phyto Certificates Issued	810		

ORGANIC FARMING

CROP	NUMBER OF FARMS	AMOUNT
Almonds	5	221 Acres
Dried Beans/Peas	1	40 Acres
Citrus	3	61 Acres
Oats	1	23 Acres
Plums	1	3 Acres
Rice	6	1,908 Acres
Vegetables	2	41 Acres
Walnuts	1	10 Acres

Production and Value of Agricultural Products

GLENN COUNTY SUSTAINABLE AGRICULTURE — 1990 - 1991

BIOLOGICAL CONTROL

PEST	CONTROL AGENT	PROGRAM SCOPE
Ash White Fly <u>Siphonius phillyreae</u>	Wasp <u>Encarsia Sp.</u>	7 Release Sites
	Beetle <u>Clitostethus arcuatus</u>	3 Release Sites
Italian Thistle <u>Carduus tenuiflorus</u>	Weevil <u>Rhenocyllus conicus</u>	2 Release Sites
Puncture Vine <u>Tribulus tenestrus</u>	Stem and Seed Weevils <u>Microlarinus lypriformis</u> <u>Microlarinus lareyniei</u>	5 Release Sites
Yellow Star Thistle <u>Centaurea solstitialis</u>	Weevil <u>Bangasternus orientalis</u>	2 Release Sites

PEST ERADICATION

PEST	CONTROL AGENT	NUMBER OF LOCATIONS
Artichoke Thistle <u>Cynara cardunculus</u>	Chemical - Mechanical	2
Canada Thistle <u>Cirsium arvense</u>	Chemical - Mechanical	1
Dyerswoad <u>Isatis tinctoria</u>	Chemical - Mechanical	1
Hoarycress <u>Cardaria draba</u>	Chemical	16
Peppergrass <u>Lepidium latifolium</u>	Chemical	10
Plumeless Thistle <u>Carduus acanthoides</u>	Chemical - Mechanical	2
Russian Knapweed <u>Centaurea repens</u>	Chemical	1
White Horsenettle <u>Solanum elaeagnifolium</u>	Chemical	23

VALUE OF AGRICULTURAL AND FOREST PRODUCTION

GLENN COUNTY, CALIFORNIA

Value of Agricultural Production	1990	1991
Field Crops	\$91,567,000	\$86,623,000
Livestock and Poultry.....	13,940,000*	13,237,000
Fruit and Nut Crops.....	44,107,000*	44,893,000
Livestock and Poultry Products.....	27,624,000	27,176,000
Seed Crops.....	8,510,000	8,065,000
Apiary Products	1,215,000	1,265,000
Nursery Products	5,480,000	2,693,000
Total Agricultural Production	\$192,444,000*	\$183,952,000

Value of Forest Products	1990	1991
Timber	\$4,853,000	\$5,563,000
Firewood.....	204,000	39,000
Christmas Trees	36,000	17,000
Total Forest Products	\$5,093,000	\$5,619,000

Grand Total All Production \$197,544,000* \$189,571,000

* Revised

GLENN COUNTY'S TEN LEADING AGRICULTURAL COMMODITIES

Commodity	1991 Value
1. Rice.....	\$44,555,000
2. Dairy Products.....	26,965,000
3. Almonds	14,304,000
4. Prunes	12,918,000
5. Cattle and Calves.....	12,109,000
6. Hay, Alfalfa.....	12,095,000
7. Sugar Beets.....	10,700,000
8. Walnuts	8,367,000
9. Wheat.....	6,460,000
10. Olives.....	5,711,000

ANNUAL RAINFALL AT WILLOWS, CALIFORNIA

112 YEARS — 1878 - 1991

Year	Inches	Year	Inches	Year	Inches
1878-1879	7.01	1916-1917	11.43	1954-1955	14.57
1879-1880	13.96	1917-1918	11.90	1955-1956	23.24
1880-1881	13.85	1918-1919	12.90	1956-1957	19.11
1881-1882	8.28	1919-1920	7.70	1957-1958	32.93
1882-1883	8.45	1920-1921	21.28	1958-1959	11.96
1883-1884	18.84	1921-1922	13.44	1959-1960	13.88
1884-1885	7.80	1922-1923	16.81	1960-1961	16.24
1885-1886	19.15	1923-1924	8.86	1961-1962	16.01
1886-1887	8.07	1924-1925	25.99	1962-1963	20.48
1887-1888	8.97	1925-1926	18.44	1963-1964	9.34
1888-1889	10.30	1926-1927	25.99	1964-1965	18.75
1889-1890	29.94	1927-1928	17.54	1965-1966	13.26
1890-1891	19.01	1928-1929	11.46	1966-1967	23.65
1891-1892	18.82	1929-1930	16.37	1967-1968	15.21
1892-1893	27.30	1930-1931	9.85	1968-1969	23.25
1893-1894	11.15	1931-1932	15.01	1969-1970	18.56
1894-1895	26.04	1932-1933	7.79	1970-1971	13.50
1895-1896	22.18	1933-1934	15.65	1971-1972	7.15
1896-1897	18.82	1934-1935	19.62	1972-1973	25.11
1897-1898	6.58	1935-1936	17.48	1973-1974	17.45
1898-1899	13.05	1936-1937	16.40	1974-1975	16.03
1899-1900	15.23	1937-1938	26.28	1975-1976	6.30
1900-1901	17.49	1938-1939	6.82	1976-1977	8.46
1901-1902	21.67	1939-1940	23.21	1977-1978	25.72
1902-1903	17.10	1940-1941	40.50	1978-1979	14.97
1903-1904	20.28	1941-1942	24.07	1979-1980	26.95
1904-1905	24.55	1942-1943	15.68	1980-1981	18.76
1905-1906	19.85	1943-1944	13.52	1981-1982	25.58
1906-1907	17.88	1944-1945	16.94	1982-1983	37.25
1907-1908	13.44	1945-1946	14.72	1983-1984	20.47
1908-1909	22.09	1946-1947	12.28	1984-1985	14.89
1909-1910	14.36	1947-1948	19.56	1985-1986	24.82
1910-1911	17.75	1948-1949	15.59	1986-1987	10.92
1911-1912	11.26	1949-1950	10.32	1987-1988	15.86
1912-1913	13.18	1950-1951	17.48	1988-1989	10.12
1913-1914	29.18	1951-1952	23.50	1989-1990	12.71
1914-1915	27.19	1952-1953	19.70	1990-1991	15.51
1915-1916	18.11	1953-1954	16.64		